

AMENDMENTS TO THE CLAIMS

Please CANCEL claims 5 and 13-16 without prejudice or disclaimer.

Please AMEND claims 1-4, 6, 7, 12 and 17 as shown below.

Please ADD new claims 18-21 as shown below.

The following is a complete list of all claims in this application.

1. (Currently Amended) A liquid crystal display (LCD) device, comprising:
a liquid crystal panel divided into a plurality of partitions arranged in a matrix of a plurality of rows and a plurality columns;
a first source driver printed circuit board (PCB) extended along a first edge of the liquid crystal display and connected to the partitions arranged closer to the first edge;
a second source driver PCB extended along a second edge of the liquid crystal display panel and connected to the partitions arranged closer to the second edge;
~~dual bank type source driver PCBs disposed along two parallel edges of the liquid crystal panel, respectively;~~
a gate driver PCB;
a staple-shaped main PCB disposed on the liquid crystal panel; and having a timing controller formed thereon ~~on the main PCB to process signals input from outside and generate driving signals, the main PCB transmitting the relevant driving signals to the respective source driver PCBs and the gate driver PCB;~~ and

a plurality of cables coupled between the main PCB and the first and second driver PCBs,
each cable transferring a signal for the corresponding partition.

2. (Currently Amended) The ~~liquid crystal display~~ LCD device of claim 1, wherein the ~~staple-shaped~~ main PCB comprises:

a first portion adjoining and extending along the first source driver PCB ~~in a first direction;~~ and

a second portion adjoining and extending along the second source driver PCB ~~in the first direction;~~ and

a third portion ~~proceeding in a second direction substantially perpendicular to the first direction, wherein the third portion bridges~~ bridging the first portion and the second portion.

3. (Currently Amended) The ~~liquid crystal display~~ LCD device of claim 2, wherein the first portion and the second portion have a length greater than one half of a length of the liquid crystal panel.

4. (Currently Amended) The ~~liquid crystal display~~ LCD device of claim 2, wherein the timing controller is disposed on the third portion.

5. (Cancelled)

6. (Currently Amended) The ~~liquid crystal display~~ LCD device of claim 2, wherein the third portion of the main PCB is connected to the gate driver PCB via one or more cable FPCs.

7. (Previously Presented) A liquid crystal device (LCD) comprising:
a liquid display panel having a front surface and a back surface and divided into a plurality of partitions;

a gate driver printed circuit board (PCB) attached to the liquid crystal display panel;
a first source driver printed circuit board (PCB) attached on a first edge portion of the back surface of the liquid crystal display

a second source driver printed circuit board (PCB) attached on a second edge portion of the back surface of the liquid crystal display, the second edge portion facing the first edge portion; and

a main printed circuit board (PCB) attached on the back surface of the liquid crystal panel, the main PCB comprising:

a timing controller generating a first source driving signal, a second source driving signal and a gate driving signal;

a first portion extending along the first source driver PCB and outputting the first source driving signal to the first source driver PCB; and

a second portion extending along the second source driver PCB and outputting the second source driving signal to the second source driver PCB;

a plurality of first cables, each transferring the first source driving signal for the corresponding one of the partitions arranged closer to the first edge portion of the liquid crystal panel from the first portion of the main PCB to the first source driver PCB; and

a plurality of second cables, each transferring the second source driving signal for the corresponding one of the partitions arranged closer to the second edge portion of the liquid crystal panel from the second portion of the main PCB to the second source driver PCB.

8. (Previously Presented) The LCD of claim 7, the main PCB further comprising a third portion extended between the first portion and the second portion, wherein the timing controller is mounted on the third portion.

9. (Previously Presented) The LCD of claim 8, wherein the gate driver PCB is attached on a third edge portion of the back surface of the liquid crystal display.

10. (Previously Presented) The LCD of claim 9, wherein the third portion of the main PCB is extending along the gate driver PCB and outputting the gate driving signal to the gate driver PCB.

11. (Previously Presented) The LCD of claim 10, wherein the third portion of the main PCB is extending between end portions of the first portion and the second portion.

12. (Currently Amended) The LCD of claim 7, further comprising a plurality of ~~flexible printed~~ cables (FPCs) transferring the first source driving signal from the first portion of

the main PCB to the first source driver PCB, the second source driving signal from the second portion of the main PCB to the second source driver PCB, and the gate driving signal from the main PCB to the gate driver PCB.

13-16. (Cancelled).

17. (Currently Amended) The LCD of claim ~~15~~ 7, further comprising:

at least one third ~~flexible printed~~ cable (FPC) for transferring the gate driving signal for the partitions arranged on an upper portion of the liquid crystal panel from the main PCB to the gate driver PCB; and

at least one fourth ~~flexible printed~~ cable (FPC) for transferring the gate driving signal for the partitions arranged on a lower portion of the liquid crystal panel from the main PCB to the gate driver PCB.

18. (New) The LCD of claim 7, wherein the first cables and the second cables are flexible printed cables (FPCs).

19. (New) The LCD of claim 17, wherein the third cable and the fourth cable are flexible printed cables (FPCs)

20. (New) The LCD of claim 1, wherein the plurality of cables are flexible printed cables (FPCs).

21. (New) The LCD of claim 6, wherein the cable is a flexible printed cable (FPC).